

CLAIMS

- 1 Assembly including a tyre pressure sensor (20) for automobile vehicle wheels and a
microprocessor (4) for pressure measurement and for control of a radio transmission
5 circuit (5), the sensor having a module for activating the microprocessor (4)
associated with an activation control timer (6; 6'), characterised in that the timer (6; 6')
is programmable and means (4, 7, 12-14) are provided for programming it.
- 2 Assembly as claimed in claim 1, wherein the microprocessor (4, 7, 12-14) is arranged
10 to program the timer (6; 6').
- 3 Assembly as claimed in any one of claims 1 and 2, wherein the means (7, 12-14) for
programming the timer (6, 6') are sensitive to the temperature of the tyre (θ_t).
- 15 4 Assembly as claimed in any one of claims 1 to 3, wherein the means (7, 12-14) for
programming the timer (6, 6') are sensitive to the pressure (P) of the tyre.
- 5 Assembly as claimed in any one of claims 1 to 4, wherein the means (7, 12-14) for
programming the timer are sensitive to the speed of rotation (V_r) or to the centrifugal
20 force (F_r) caused by the rotation of the wheel.
- 6 Assembly as claimed in claim 5, wherein the radio transmission circuits (5) are
arranged to transmit frames containing at least the identification of the sensor at an
accelerated rate during balancing of the corresponding wheel being assembled and at
25 a slowed rate when the temperature of the corresponding wheel increases.
- 7 Assembly as claimed in any one of claims 1 to 6, wherein the timer (6) is mounted in
the pressure sensor (20) and is arranged to control the variable-period activation
module (3).
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- 8 Assembly as claimed in any one of claims 1 to 6, wherein the timer (6') is mounted in
the microprocessor (4) and is arranged to be controlled by the fixed-period activation
module (3').